

CLAIMS

1. A topically applicable composition,  
characterized in that it comprises at least one *Aphanizomenon-flos-aquae flos-*  
*aquae* extract at a concentration between 0.01 and 10% by dry weight of the  
5 total weight of the composition.

2. The composition according to claim 1,  
characterized in that it exists in the form of simple or multiple emulsions such  
as a water/oil emulsion or an oil/water emulsion or even a triphasic emulsion,  
10 and/or a gel, or an aqueous or hydroalcoholic solution.

3. The composition according to claim 1,  
characterized in that it exists in the form of a vectorized system with controlled  
release or modulated release.  
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4. The use of a composition according to claim 1, in order to make  
products for treating upper layers of the epidermis and/or hair.

5. The use of a composition according to any of claims 1 to 4, for  
20 making a cosmetic.

6. The use of a composition according to any of claims 1 to 4, for  
making a dermatological composition.

7. A composition for after-sun care, characterized in that it  
comprises:

- |                                    |         |
|------------------------------------|---------|
| ▪ Demineralized water              | qs*100% |
| ▪ Sequestrene®NA4/Celon®E/Trilon®B | 0.01%   |
| ▪ Nipagin®M/methyl-POB             | 0.05%   |

	▪ Carbopol ®940	15.00%
	▪ Triethanolamine	0.5-1%
	▪ Antimicrobial preservative	0.5-1%
	▪ Silicone	1-2%
5	▪ Perfume	0.15%
	▪ <i>Aphanizomenon-flos-aquae flos-aquae</i> extract	0.5-5%
	in solution in sorbitol and water (i.e. 1-5% of dry <i>Aphanizomenon-flos-aquae flos-aquae</i> extract)	
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	8. A composition for after-sun care, characterized in that it comprises:	
	▪ Emulium ®	4.0%
	▪ Amerchol®	6.0%
15	▪ Amerlate ®	2.0%
	▪ Oily calendula Vegetol ®	2.0%
	▪ LNST ® 98	1.0%
	▪ Demineralized water	qs100%
	▪ Carbopol ®	10.0%
20	▪ Abil ®	6.0%
	▪ Demineralized water	5.0%
	▪ Triethanolamine	0.2%
	▪ Antimicrobial preservative	0.5%
	▪ Natural glycerin	4.0%
25	▪ Fluidamid ®DF125	4.0%
	▪ <i>Aphanizomenon-flos-aquae flos-aquae</i> extract	0.5-5%
	in solution in sorbitol and water (i.e. 1-5% of dry <i>Aphanizomenon-flos-aquae flos-aquae</i> extract)	
30	▪ Perfume	0.3%

9. A composition for washing and taking care of hair,  
characterized in that it comprises:

	▪ Texapon®	10.00%
5	▪ Demineralized water	qs100%
	▪ Sequestrene®	0.05%
	▪ Tego betain®	10.00%
	▪ Empilan ®	4.00%
	▪ Hydralphatine 3P	3.00%
10	▪ Antimicrobial preservative	0.50%
	▪ Glutamate	15.00%
	▪ Oramix®	6.00%
	▪ Simulsol®	1.00%
	▪ Demineralized water	5.00%
15	▪ Acrysol®	6.00%
	▪ <i>Aphanizomenon-flos-aquae flos-aquae</i> extract	0.5-5%
	in solution in sorbitol and water (i.e. 1-5% of dry <i>Aphanizomenon-flos-aquae flos-aquae</i> extract)	

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10. An antiwrinkle composition,  
characterized in that it comprises:

	▪ Demineralized water	qs100%
	▪ Sepigel®	1.0%
25	▪ Emulium®	3.0%
	▪ Amerchol®	4.0%
	▪ Crodamol®	8.0%
	▪ Abil®	5.0%
	▪ Antimicrobial preservative	0.3%
30	▪ Fluidamid®DF15	3.0%

- *Aphanizomenon-flos-aquae flos-aquae*  
extract 0.5-5%  
in solution in sorbitol and water  
(i.e. 1-5% of dry *Aphanizomenon-flos-aquae flos-aquae* extract)

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11. A treatment mask composition for dried hair characterized in that it comprises:

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|----|--|--------|
|    | ▪ Cetearyl glucoside   | 7%     |
|    | ▪ Coco betaine   | 0.5%   |
| 10 | ▪ Shea butter  | 4%     |
|    | ▪ Beeswax  | 2%     |
|    | ▪ Dimethicone  | 5%     |
|    | ▪ Demineralized water  | qs100% |
|    | ▪ Decyl glucoside  | 1%     |
| 15 | ▪ Perfume  | 0.5%   |
|    | ▪ Antimicrobial preservative   | 0.5%   |
|    | ▪ <i>Aphanizomenon-flos-aquae flos-aquae</i><br>extract 0.5-5%<br>in solution in sorbitol and water<br>(i.e. 1-5% of dry <i>Aphanizomenon-flos-aquae flos-aquae</i> extract) |        |
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12. A night cream,  
characterized in that it comprises:

- |    |  |        |
|----|--|--------|
|    | ▪ Cetearyl glucoside                         | 6%     |
| 25 | ▪ Vegetable oils                             | 20%    |
|    | ▪ DL-alpha tocopherol                        | 0.05%  |
|    | ▪ Dimineralized water                        | qs100% |
|    | ▪ Antimicrobial preservative                 | 0.5%   |
|    | ▪ Perfume                                    | 0.3%   |
| 30 | ▪ <i>Aphanizomenon-flos-aquae flos-aquae</i> |        |

extract 0.5-5%  
in solution in sorbitol and water  
(i.e. 1-5% of dry *Aphanizomenon-flos-aquae flos-aquae* extract)

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characterized in that it comprises the following steps:

- at least one maceration at a temperature from 25 to 50°C and, preferably 35°C, of dried *Aphanizomenon-flos-aquae flos-aquae* blue algae in the presence of enzymes such as cellulases, pectinases, and glucanases, for  
10 a time from ten minutes to ten hours, and preferably for four hours under stirring,
- a liquid/solid separation by centrifugation,
- a liquid/liquid separation by a membrane filtration method,
- drying and/or dilution in a solution containing specific adjuvants for  
15 example sorbitol,
- optional specific separation of the different thereby extracted constituents, for example by chromatography, the different substances obtained may be used alone or as a mixture.

20           14. The method according to claim 13,  
characterized in that the drying step is a standard (heat) drying step or a drying step by nebulization or freeze-drying.

              15. The method according to claim 13,  
25 characterized in that the aforesaid extract is dissolved in an aqueous solution such as a water/sorbitol mixture.